LOCUST STREET JUST OFF BROAD PHILADELPHIA 7, PA. Den Josh and Esther: clama trifle annoyed as I write this letter. I sent fermatica manuscript, accepted for publication in sent fermatica manuscript, 5 x x 5 and V 5 x V reciprocal senetics. It reports, 5 x x 5 and V 5 x V reciprocal senetics. extragords 3 x3- and V' XV' reciprocal crosses. Almost even their that come out is senitive soften so good. Sinseppe sindly sent a manuscryo of his. So for so good. He reports on the analysis of heterogeneous clones which he analysis of heterogeneous clones which he calls heteroclones. Note however that he does not purify his recombinants
he fore analyses. I fail to see how
tefore analyses. I fail to see how
one can make quantitative statements
one can make quantitative statements
(or even claim clones on this basis). Bound that, his findings are pur precisely those of our group regented in NY in those of the loes not site our work of clam way off base





PHILADELPHIA 7 PA

Perhaps of had better regest our Current views since they have been widely misinterpreted We believe that annalities the genetic material of the streptomyces is organized into "chromosmes". The genome tends to behave as a unit; it is not important whether there are more than 1 chromosomer so long as it sends to stick together (a la Arell and shere is Suctoria). We do not believe that there is a nuclear membrane. Hyphal fusion
therefre "dumps" the two genomes
together in the central nuclear vacuole of the cell which means nothing). There is then no clear distinction between heterokangosis, and diploidy. Although I have limited views on chromosomed replication, I believe that genetic material between daughter alls is randowly or amitatically distributed. Since we previously postulated that a genome behaves as a unit, every all or spore





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gets at bast me set. He also believe tragments and that there may be unequally portialled out, this concept is principally a break on the observation that spores of a break on the observation that spores of a single chain though qualitatively alther single chain though qualitatively alther and of streptony cui differ quantitatively (and of streptony cui that our strains are poly somic to inhibit etc.). In view of what Ruth Korman writes about her work, this man hweapplication in true tracteria. I feel

his the cytological picture better then our

current concepts (Kellerbergers photos

motwithstanding). while I have you, I might as well tell you about other events. I visited Davis Cel; recently. Climate was wonderful, space etc not so good. Thenks for beeping me in mind sont so good. Thenks for beeping me in mind Actually flerry Syvertan and clace in pretty good terms right now and we (my lab) are working to so sight now and we (my lab) are working like the devil and having a wonderful time like the devil and having us alone. If stanfard with everyne leaving us alone. has any extra students though, we could use





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good one. Spirien here at SAB tells me Nester like it there with you. He seemed like a nice, bright boy the antibody work by Watern and of is the antibody work by Watern and claim (claimble underway again, Mutation and selection (claimble underway again). the term cloud theory) look better every day. The two series we have your chick + " splen aliquet + anti-gen chick + " " chicketation + spleenceller chich+ sylen & Unother words an indirect sit selection The validating of methodology is still going that the other is a modified (naturally) Newcomber experiment. alt may be based on the faulty hope that it least some of the cells susceptible to mutation to antibody formation and their progen stay in one place a while.





LOCUST STREET JUST OFF BROAD PHILADELPHIA 7, PA.

Well Josh & Esther, of have written a much longer Well Josh 4 comes, your and length month longer Well letter than I should. I enjoy my hough, worke tremendowly. I must confers though, worke tremendowly. I arely for your and for regular cloth terribly lanely for your and for regular like you (there aren't many as wonderful as I Same times feel chapend too much time encouraging other to an awareness of geneticas encouraging other to an awareness of office to be and that my own work is too differe to be said that my own work is too differe to be seen of the SAB meaningful. Lois and the children are fine, they semember you all and the tryps to the toke dextend my very both affection to you toth. Saylon.